

03-06-02

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J0931 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional  
applications under 37 CFR 1.53(b))

Title of Invention

Method and System for Increasing RF Bandwidth and Beamwidth in a Compact Volume

Named Inventor(s)

James C. Carson, James K. Tillery and Sara Phillips

Attorney Docket

06935.105031

Express Mail Label No.

ET 491035419 US

J1002 U.S. PTO  
10/091186

03/04/02

## APPLICATION ELEMENTS

Commissioner of Patents  
ADDRESS TO: Box Patent Application  
Washington, D.C. 20231

## ACCOMPANYING APPLICATION PARTS

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☒ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification, Claims,  
and Abstract Total Pages **20**
4. ☒ Drawings Total Sheets **10**
5. Oath or Declaration Total Pages **3**
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17  
completed)
    - (i) ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior  
application, see 37 CFR 1.63(d)(2)  
and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76.
7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence  
Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above  
copies

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement  
(when there is an assignee)
  - ☐ Power of Attorney by assignee
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)  
PTO-1449
  - ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
16. ☒ Assignee: EMS Technologies, Inc.  
660 Engineering Drive  
Norcross, GA 30092-7700
19. ☒ Other: 10-Sheets of Formal Drawings

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09/785,032  
Prior application information: Examiner: Tan Ho Group Art Unit: 2821

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS:

Steven P. Wigmore, Esq.  
KING & SPALDING  
45<sup>th</sup> Floor  
191 Peachtree Street, N.E.  
Atlanta, Georgia 30303

By: [Signature] Reg. No. 40,447  
Date: March 4, 2002  
Telephone: 404.572.4600  
Facsimile: 404.572.5145  
Customer No. 20786

# FEE TRANSMITTAL

Attorney Docket No. **06935.105031**  
Express Mail Label No. **ET 491035419 US**

This sheet accompanies a patent application transmittal for the following application:

Inventor(s): **Carson et al.**  
Filing Date: **Filed Concurrently Herewith**  
Title: **Method and System for Increasing RF Bandwidth and Beamwidth in a Compact Volume**

The filing fee is calculated as shown below:

## 1. FILING FEE:

		SMALL ENTITY		LARGE ENTITY	
FOR:		FEE	FEE PAID	FEE	FEE PAID
<input checked="" type="checkbox"/> UTILITY FILING FEE		\$370		\$740	\$740
<input type="checkbox"/> DESIGN FILING FEE		\$165		\$330	
<input type="checkbox"/> PLANT FILING FEE		\$255		\$510	
<input type="checkbox"/> REISSUE FILING FEE		\$370		\$740	
<input type="checkbox"/> PROVISIONAL FILING FEE		\$80		\$160	
SUBTOTAL (1)					\$740

## 2. CLAIMS:

				SMALL ENTITY		LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
TOTAL CLAIMS	12 - 20 =	0	x 9 =			x 18 =	
INDEP. CLAIMS	2- 3 =	0	x 42 =			x 84 =	
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+140 =			+280 =	
SUBTOTAL (2)				\$			\$0

## 3. ADDITIONAL FEES:

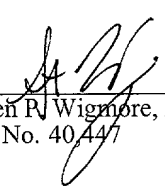
		SMALL ENTITY		LARGE ENTITY	
FOR:		FEE	FEE PAID	FEE	FEE PAID
<input type="checkbox"/> LATE FILING, FEE OR OATH		\$65		\$130	
<input type="checkbox"/> NON-ENGLISH SPECIFICATION		\$130		\$130	
<input type="checkbox"/> OTHER					
SUBTOTAL (3)			\$0		\$0

**TOTAL FILING FEES: \$740**

A check is enclosed for the total amount: **\$740**

☒ Charge any additional fees required under 37 C.F.R. 1.16 or 1.17 to Deposit Account 11-0980.

KING & SPALDING  
45<sup>th</sup> Floor, 191 Peachtree Street, N.E.  
Atlanta, Georgia 30303  
Telephone: 404.572.4600

By:   
Steven R. Wignore, Attorney for Applicant  
Reg. No. 40,447

Date: March 4, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
**Carson et al.** )  
)  
Serial No.: **Unassigned** )  
)  
Filed: **Filed Concurrently Herewith** )  
)  
For: **Method and System for** )  
**Increasing RF Bandwidth** )  
**and Beamwidth in a Compact** )  
**Volume** )

**LETTER TO OFFICIAL DRAFTSPERSON REQUESTING APPROVAL OF  
SUBSTITUTE FORMAL DRAWINGS**

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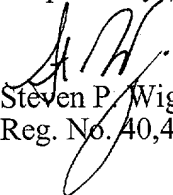
Commissioner of Patents  
Box Patent Application  
Washington, DC 20231

March 4, 2002

Sir:

The Examiner is respectfully requested to approve the attached formal drawings. The originally filed, informal drawings should be replaced with these formal drawings. These formal drawings address the objections made against the originally filed, informal drawings by the PTO Official draftsman in the parent application.

Respectfully submitted,

  
Steven P. Wigmore  
Reg. No. 40,447

King & Spalding  
45<sup>th</sup> Floor, 191 Peachtree Street, N.E.  
Atlanta, GA 30303  
404.572.4600  
K&S Docket: 06935.105031